

AMENDMENTS TO THE SPECIFICATION

In the specification of the Application, please amend paragraph 0034 as hereinafter indicated.

[0034] The first x-ray detector 18 or detector system is coupled to the gantry and generates a first detector signal in response to the first x-ray flux and further generates a first scatter signal in response to second plane scatter when the second x-ray flux is ~~[[off]]~~ on.

Please also amend paragraph 0061 as hereinafter indicated.

[0061] In operation block 152, the ~~second~~ first plane scatter correction memory 154 receives the second compensation signal and stores it for retrieval during scatter correction operations.

Furthermore, please also amend paragraph 0063 as hereinafter indicated.

[0063] In operation block 162, the first plane scatter correction algorithm 164 receives the stored scatter compensation signal and the subsequent image readouts. In operation block 166, for each image readout, the first plane scatter correction algorithm 164 generates a first plane display ~~[[166]]~~ 167.

Lastly, please also amend "Abstract" paragraph 0077 as hereinafter indicated.

[0077] A method for x-ray scatter correction during simultaneous bi-plane imaging using digital image processing. The ~~basic concept~~ method includes correcting the image from each plane by combining it with an image of the scatter generated from the exposures of the opposite plane in such a way that the scatter effects are removed. The correction image is formed by sampling images from the detector with only the x-ray exposure of the ~~scatter-producing~~ scatter-producing plane being active. These sampled images of scatter are processed to form the scatter correction image. The scatter correction image is stored in an image memory so that it is available for combination with subsequent x-ray images to remove scatter distortion.